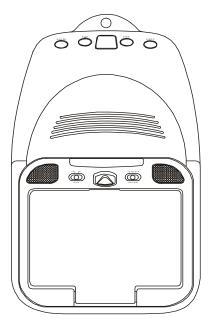
MMDV7OC / MMDV7OC B 7" LCD OVERHEAD MONITOR WITH DVD PLAYER



OPERATION MANUAL



IMPORTANT

An LCD panel and/or video monitor may be installed in a motor vehicle and visible to the driver if the LCD panel or video monitor is used for vehicle information, system control, rear or side observation or navigation. If the LCD panel or video monitor is used for television reception, video or DVD play, the LCD panel or video monitor must be installed so that these features will only function when the vehicle is in 'park' or when the vehicle's parking brake is applied.

An LCD panel or video monitor used for television reception, video or DVD play that operates when the vehicle is in gear or when the parking brake is not applied, must be installed to the rear of the driver's seat where it will not be visible, directly or indirectly, to the operator of the motor vehicle.

Warnings

- Do not use any solvents or cleaning materials when cleaning the video system.
- Do not use any abrasive cleaners, they may scratch the screen. Use only a lightly dampened lint free cloth to wipe the screen if it is dirty.
- Lock the LCD screen in the fully closed position when not in use.
- Before putting on headphones always adjust the volume setting to the lowest position.
- Remember to leave the dome light switch in the off or auto positions when the vehicle is unattended, as the dome lights, if left on, can drain the vehicle's battery.
- Do not put pressure on the screen.
- Caution children to avoid touching or scratching the screen, as it may become dirty or damaged.

Safety Precaution

For safety reasons, when changing video tapes it is recommended that the vehicle is not in motion, and that you do not allow children to unfasten seatbelts to change tapes or make any adjustments to the system. System adjustments can be accomplished using the remote control unit, while seatbelts remain fastened. Enjoy your Movies 2 Go entertainment system but remember-safety of all passengers remains the number one priority.

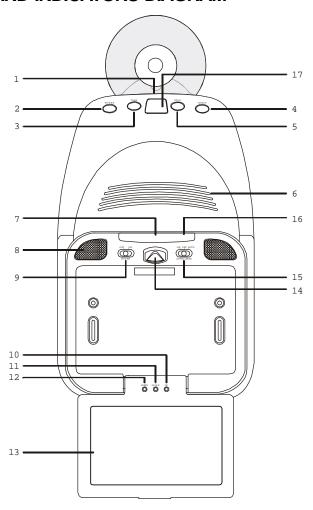
Congratulations on your purchase of the Movies 2 Go MMDV7OC / MMDV7OC B drop-down Video Monitor with DVD player. The MMDV7OC / MMDV7OC B has been designed to give you and your family many years of video entertainment in the mobile environment. Please read the directions that follow to familiarize yourself with the product and to ensure that you obtain the best results from your equipment.

NOTE: Installation options vary, see the individual owner's manuals for each component in your system to obtain a full understanding of each component's operation.

FEATURES

- 7"TFT (Thin Film Transistor) Active Matrix LCD (Liquid Crystal Display) Monitor with DVD player
- OSD (On Screen Display) for Control of Picture Quality and Functions
- DVD/CD/MP3 compatible
- Infrared Transmitter for the included IR Wireless Headphones
- Two Audio / Video Source Inputs (One is for internal DVD player)
- Power ON/OFF Switch
- Remote Repeater Sensor
- Dome Lights with Built-in Three Way Switch
- Video Display ON/OFF Control (when LCD Panel is Opened and Closed)

CONTROLS AND INDICATORS DIAGRAM



MAIN FUNCTION DESCRIPTIONS

- 1. DVD disc insertion slot.
- 2. Power Button For internal DVD player
- 3. Play Button
- 4. Eject Button
- 5. Stop Button
- 6. MMDV7OC / MMDV7OC B Ventilation opening
- 7. Infrared Transmitter Used to transmit audio to wireless headphones.
- 8. **Dome Lights** Provide additional interior illumination.
- 9. Power ON/OFF Select Switch For LCD monitor.
- 10. Select Up Button
- 11. Select Down Button
- 12. Menu button Display MENU, PICTURE, SOURCE and DISPLAY OFF.
- 13. LCD Panel
- Screen Release Slides in the direction of the arrow to release the drop down screen.
- 15. Three Position Dome Light Switch
- Auto Automatically switches on the dome lights in conjunction with the vehicle's interior illumination.
- Off The Dome lights will not turn on in this position.
- On Turns on the Dome lights.
- 16. Remote Sensor For remote repeater.
- Remote Sensor For remote internal DVD player.

REMOTE CONTROL OPERATION

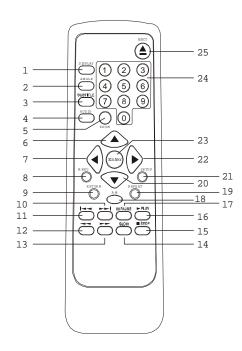


BATTERY INSTALLATION

Before attempting to operate your Remote Control, install the batteries as described below.

- Turn the Remote Control face down.
 Using a fingernail, lift the battery cover off.
- 2) Install two "AAA" batteries as shown.Make sure that proper polarity (+ or –) is observed.
- Align the cover tabs with he remote control and press down until the cover clicks.

The remote control will operate the MMDV7OC / MMDV7OC B DVD player only. It is not a universal remote control and will not control equipment from other manufacturers.



DVD FUNCTION DESCRIPTIONS

1. DISPLAY Button

Press to display DVD Disc current information.

Press DISPLAY button	DVD PlayerPerform
Once	D isplay currentTITLE & CHAPTER
Tw ice	D isplay currentSUBTITLE
3 tim es	Display cumentAUDIO language & channel
4 tim es	D isplay currentANGLE
5 tim es	Display A-B current status
6 tim es	D isplay REPEAT cumentstatus
7 tim es	D isplay is turned off

2. ANGLE Button

Allows the user to select the DVD angle if the DVD contains this feature.

3. SUBTITLE Button*

Allows the user to select the DVD subtitle feature. Use cursor keys to highlight desired item, use ENTER to switch.

4. AUDIO Button*

Allows the user to enter the Audio menu features (language spoken etc.). Use the (buttons to highlight desired item, use the $(\nabla \Delta)$ buttons to switch.

5. ZOOM Button

Press this button to zoom the picture.

Press ZOOM button	OSD	DVD PlayerPerform
0 nce	ZOOM x2	ZOOM picture 2 tim es
Tw ice	ZOOM x3	ZOOM picture 3 tim es
3 tim es	ZOOM x4	ZOOM picture 4 tim es
4 tim es	ZOOM x1/2	Reduced picture to 1/2
5 tim es	ZOOM x1/3	Reduced picture to 1/3
6 tim es	ZOOM x1/4	Reduced picture to 1/4
7 tim es	ZOOM OFF	NomalDisplay

^{*}NOTE: Some DVDS only allow access to these functions through the root menu.

6. **UP () Button**

Allows the user to scroll upwards in the menu options.

7. LEFT (◀) Button

Allows the user to shift left in the menu options.

8. MENU Button

Allows the user to access the main DVD menu.

9. RETURN Button

Allows the user to exit the set up menu.

10. **NEXT (►►I)Button**

Allows the user to skip to the next chapter or track.

11. PREVIOUS (► Button

Allows the user to return to the previous chapter or track.

12. SCAN BACKWARD (◄◄) Button

Allows the user to search in a backward direction at 2,4,6,8,16 and 32 times the normal speed.

13. SCAN FORWARD (►►) Button

Allows the user to search in a forward direction at 2,4,6,8,16 and 32 times the normal speed.

14. SLOW Button

The DVD viewing speed will be reduced to 1/2, 1/4, 1/8 and 1/16 times of the normal speed.

15. **STOP (■) Button**

DVD disc play will be stopped.

16. **PLAY (▶) Button**

Press this button to activate the play mode while a disc is loaded into the disc compartment.

17. PAUSE (II) Button

Allows the user to pause the playback.

18. A-B REPEAT Button

Allows the user to repeat play of a DVD or CD from point A to point B.

19. REPEAT Button

Allows the user to repeat various titles, chapters or tracks of a DVD,CD or MP3 and displays the repeat menu.

20. DOWN (▼) Button

Allows the user to scroll downward in the menu options.

21. SETUP Button

Allows the user to select the DVD options (Display, OSD Language, Default, Parental Control, Password, Exit Setup). The setup display can be viewed only when the player is in stop mode.

22. RIGHT (▶) Button

Allows the user to shift to the right in the menu options.

23. ENTER Button

Used to select or switch a highlighted selection.

24. NUMBERS Buttons

Allows the user to enter the number 0 to 9 for selection of CD tracks, dvd chapters and password setting.

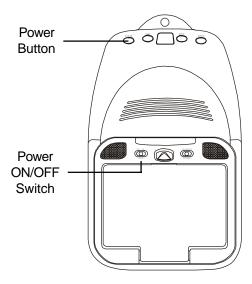
25. EJECT (▲) Button

The disc will be ejected from the disc compartment.

TURNING THE MMDV7OC / MMDV7OC B ON OR OFF

(LCD DISPLAY UNIT & INTERNAL DVD PLAYER)

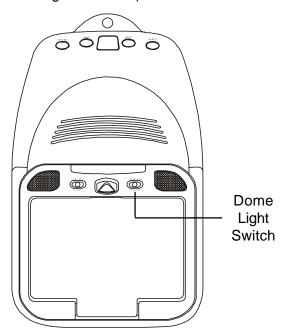
- Sliding the screen release lock forward will unlock the LCD screen and drop down slightly. Move the screen downward and pivot it until a comfortable viewing angle is reached. The internal friction detent will hold the screen in position while the system is in use.
- 2. Slide the POWER switch to the ON position on the monitor.
- 3. Press the POWER Button to switch on the Internal DVD source.
- 4. Select AV1 from the menu options (see page 14 for details).
- 5. After the unit is turned ON and begins to display a picture, adjust the viewing angle by pivoting the screen to optimize the picture quality.
- 6. Remember to turn the unit OFF and pivot the LCD to the locked position when not in use.



OPERATION

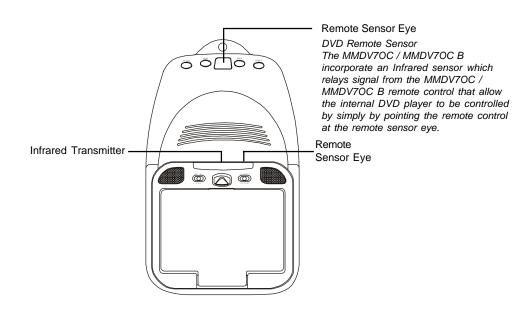
OVERHEAD DOME LIGHTS

The Dome Lights integrated into the MMDV7OC / MMDV7OC B are controlled by a three position slide switch. Sliding the switch to the ON position will turn the lights ON. The OFF position will prevent the lights from turning ON with the vehicle's interior lighting, and the auto position will allow the lights to turn ON and OFF with the vehicle's interior lighting. Do not leave the vehicle unattended with the dome light switch in the ON position, as this could result in a discharged battery. Refer to the Installation Guide for wiring information).



REMOTE SENSOR

The MMDV7OC / MMDV7OC B incorporates an Infrared sensor which relays signals from the remote control to allow the source connected to AV2 to be controlled simply by pointing its remote control at the remote sensor eye. This provides control of auxiliary equipment such as a Video Cassette Player. The infrared sensor can relay signals from most manufacturer's remote control to its respective component connected to the Video 2 input. In this case you must use the remote control supplied with the component.



PICTURE ADJUSTMENT

When watching the program, the quality of the picture can be adjusted to suit your taste.

Press the MENU button, the main menu will appear. Then press the DOWN/UP button to select the item you want to adjust. Press the MENU button again to select the item. For example: Press MENU button, highlight PICTURE and press the MENU





button to enter. The PICTURE menu will appear, highlight BRIGHTNESS and press the MENU button to enter. Then press the DOWN/UP button to adjust the selected function.

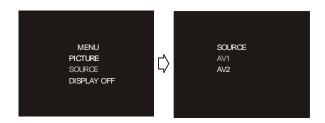
Description of Adjustment Items:-

Item	Press DOWN button	Press UP button
BRIGHTNESS	To darken the picture	To brighten the picture
CONTRAST	Decrease the contrast for soft color	Increase picture contrast for vivid color
COLOR	To decrease the color intensity	To increase the color intensity
TINT	Increases the greenish skin tones	Increases the reddish skin tones

To restore the factory settings, select RESET and press either the UP or DOWN button. All of the picture settings (BRIGHTNESS, CONTRAST, COLOR and TINT) will return to the factory preset settings.

SOURCE SELECT

There are 2 inputs to select from the SOURCE Select Menu: AV1 and AV2. To select the source, highlight SOURCE and press MENU button to enter. Then, press UP / DOWN button to select AV1 or AV2.



NOTE: The built in DVD player is source "AV1". To play the internal DVD source, press the MENU button to select SOURCE SELECT. Press UP/DOWN until "AV1" is displayed on the screen (below). The MMDV7OC is now ready to play the audio and video signal from the internal DVD player.

EXIT THE MENU

To exit the main menu, highlight DISPLAY OFF and press MENU button to enter, the menu will disappear.

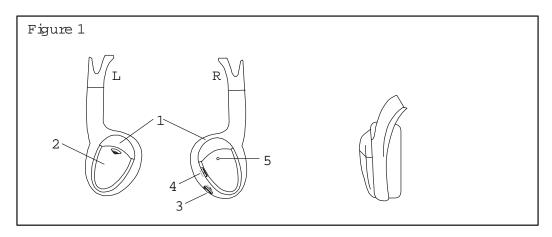
NOTE: The menu also disappears from the screen automatically if you do not press any button within few seconds.

WIRELESS HEADPHONES

The MMDV7OC / MMDV7OC B includes a built-in infrared transmitter and two pairs of Audiovox wireless headphones (Part Number MMIRHS). The volume can be adjusted with volume control on each headset. The wireless headphones must be used within line of sight from the transmitter, as infrared transmissions, like visible light travel only in a straight line.

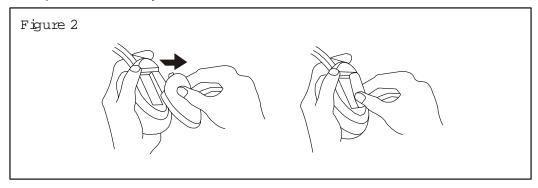
Controls and Indicators (Figure 1)

- 1. INFRARED PICKUP SENSORS (Receives signals from the transmitter)
- 2. BATTERY COVER
- 3. VOLUME CONTROL
- 4. POWER SWITCH
- 5. POWER INDICATOR LED



Battery Installation (Figure 2)

- 1. Place two alkaline AAA batteries into the Headphone's battery compartment making sure that the battery polarity is correct.
- 2. Replace the battery cover.



HEADPHONE OPERATION

IMPORTANT: To prevent possible hearing damage,

Read the following carefully!

1. Turn the headphone volume down before turning on the power. Turn on the headphone power then increase the headphone volume to a comfortable level.

OPTIONAL ACCESSORIES

AV 2*

The second video input may be connected to a VCP player, video game system, or other audio / video input. To play the Video 2 source, turn the MMDV7OC / MMDV7OC B ON and press the Menu button on the MMDV7OC / MMDV7OC B to select INPUT SELECT and press the UP/DOWN button until "AV2" is displayed on the screen. Turn the source component on with its power button or remote control. The MMDV7OC / MMDV7OC B is now ready to play the audio and video signals from the source connected to the video 2 input.

* **NOTE**: Additional Accessory Cable is required (Part Number 8010730) to connect more then one video source to the MMDV7OC / MMDV7OC B.

DVD Basics

To get the optimum use out of the DVD section, make sure you read this section completely.

Regional Coding

Both the DVD player and disc are coded by region. These regional codes must match in order for the disc to play. If the codes don't match, the disc won't play. This unit's code is region 1. Other regional codes cannot be played in this unit. The unit will display "WRONG REGION."

Types of Discs your DVD will play

- DVD discs DVDs discs which contain video.
- Audio discs Audio CDs that contain musical or sound content only.
- MP3 discs A disc that contains audio files (for example, a CD-R with downloaded MP3 files).

Loading and Playing Discs

Before you load a disc, make sure that it is compatible with the player.

Note: the following Discs CANNOT be used with this player:

- MiniDisc
- Laserdisc
- CD-I, CD-ROM, DVD-ROM

To load and Play a Disc

When you press the Power button the unit will turn on and display the source selected. Select DVD mode (AV1 mode) and insert the disc (Label Up) into the disc compartment. When the disc is half way in it will be automatically pulled in and play will begin.

Settings and Adjustments

This chapter describes how to set and how to adjust using the on-screen SETUP menu.

Using the Setup Menu

Using the setup display, you can do the initial setup and set the various outputs. You can also set a language for the on-screen display and the setup display and limit playback by children.

- 1) Press the SETUP button to display the "setup menu" on the TV screen.
- Select the main item you want using the cursor (▼▲) buttons, and then press the ENTER button.

To Cancel Using the Setup Display

Press the SETUP button on the remote.

Settings for Display

Press the SETUP button and select Display. The DISPLAY SETUP allows you to adjust screen setting (aspect ratio) Press ▶ and then use the (▼▲)buttons to select the appropriate settings.

4:3 / PS

This displays the wide picture on the screen with a portion of the left & right side removed.

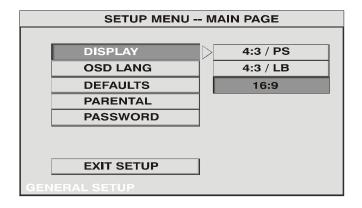
4:3/IB

This displays the wide picture with black bands on the upper and lower portions of the screen.

16:9

This displays a picture with black bands on the upper and lower portion of the screen.

Then press ENTER to confirm your selection.

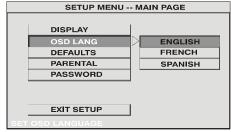


Setting the Language for On-Screen Display

Press the SETUP button and using the (▼▲)buttons select "OSD LANGUAGE".

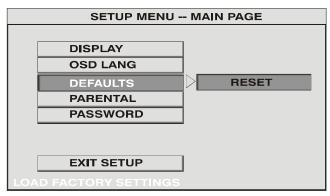
OSD (On-Screen Display) Language Menu

The OSD Language Menu allows the user to select the language for the onscreen display. Press \triangleright and then use the (\blacktriangledown \blacktriangle) buttons to select the desired language. The user can select either English, French or Spanish for the OSD language.



Defaults Settings

Press the SETUP button and select Defaults. The DEFAULTS SETUP allows you to reset ALL options to factory defaults. Press ▶ and then press Enter to implement the reset.



Settings for Parental (Parental Control)

This section of the SETUP Menu allows user to control the content of movie playback from G to ADULT.

The Parental Control function allows you to limit viewing to your preference.

1. Use the **V** buttons to select

G (Children)

PG

PG 13

R

NC-17

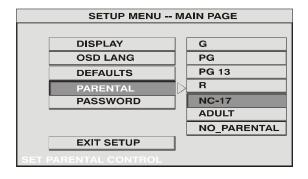
ADULT (Adult)

Note: The lower the value, the more strict the limitation.

Press the Enter button to confirm the selection.

2. Input a password in 4 digits using the numeric buttons then press the Enter button.

The Default password is 3308.



Settings for Password (Parental Control Password)

Press the SETUP button and select PASSWORD. The PASSWORD SETUP allows you to change the parental control password. Press ▶ and then press Enter.

NEW PASSWORD

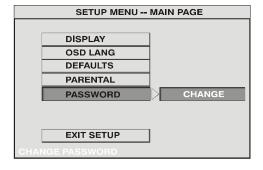
Input a new password (4 digits) using numeric buttons

OLD PASSWORD

Input the old password or the default password (4 digits)

CONFIRM PWD

Confirm the new password by entering the same new password again. Then press Enter to implement it.





Playing Audio CDs

When playing an audio CD, the DISPLAY Banner appears automatically. It displays the current track and the amount of the time for that track playing. Press the DISPLAY button on the remote to change the DISPLAY Banner. The options below show you what happens when you press the DISPLAY button.

Press DISPLAY 1x SINGLE ELAPSED appears along with the current track playing and the time of that track.

Press DISPLAY 2x SINGLE REMAIN appears along with the current track playing the and the amount of time left.

Press DISPLAY 3x TOTAL ELAPSED appears along with the current track playing the total time playing on the CD.

Press DISPLAY 4x TOTAL REMAIN appears along with the current track playing and the amount of time left on the CD.

Press DISPLAY 5x Turns off the DISPLAY Banner.

Using the REPEAT Feature

The default mode for the Repeat feature is OFF. Pressing REPEAT consecutively changes the repeat options:

- TRACK- repeats the track that is playing.
- *ALL* repeats the disc that is playing.
- REPEAT OFF

As you toggle through the options, the repeat option changes at that time. The selected repeat option loops repeatedly until you turn it off.

Playing MP3 Discs

MP3 is a format for storing digital audio. An audio CD-quality song can be compressed into the MP3 format with very little loss of quality, while taking up much less space. CD-R discs that have been encoded in MP3 format can be played on your DVD player. Press the DISPLAY button on the remote to DISPLAY Banner. The options below show you what happens when you press the DISPLAY button.

SINGLE ELAPSED appears along with the amount of time the song has played. SINGLE ELAPSED and the time will remain on-screen until you press DISPLAY again.

SINGLE REMAIN appears along with the amount of time left in the song that is playing. SINGLE REMAIN and the time that is left remain on-screen until you press DISPLAY again.

DISPLAY OFF appears and will turn off the display.

MENU		
<pre><up dir=""> 1</up></pre>	MP3 ARTIST - TR 1]
	MP3 ARTIST - TR 2]
	MP3 ARTIST - TR 3	
	MP3 ARTIST - TR 4	
	MP3 ARTIST - TR 5]
	MP3 ARTIST - TR 6	
PLAY MODE :	FOLDER	

Selecting Folders and Songs

When an MP3 disc is inserted in the player, the screen appears automatically. You can change folders and songs through the menu. The DVD player plays the songs in order they were burned on to the disc.

- 1. Press the up or down arrow button to go through the folder list on the left side of the screen.
- 2. Once the folder you want is highlighted, press Enter and the songs in the folder appear on the right.
- 3.Press the ▶ to enter the song list.
- 4. Press the up or down arrow button to go through the song list and highlighted the song you want. Press Enter or PLAY button to begin playback of the highlighted song.

Skipping Songs

Use the Next () button on the remote control to move to the next song. Use the Previous (◄◄) button to move to the beginning of the currently playing song. Press the (◄◄) button again to move to the previous song.

Using The Repeat Feature

The default mode for the Repeat feature is OFF. Pressing REPEAT consecutively changes the repeat options:

- REPEAT ONE- repeats the songs that is playing.
- REPEAT FOLDER- repeats the folder that is playing.
- FOLDER- turns off repeat and returns to regular play mode.

TROUBLESHOOTING

PROBLEM	SOLUTION
Poor in vehicle radio reception (FM modulator installed)	 Check the condition of the vehicle's radio antenna. Verify that the antenna is fully raised. If a wired RF modulator has been installed, verify that it is turned OFF at the dash mounted switch.
IR sensor inoperative	 Verify that the batteries in the remote are fresh. Verify that the remote sensor eye is not obstructed. Verify that the infrared transmitter is affixed over the sensor eye of the component to be controlled.
Disc won't play	 Insert a disc with the label side facing up. Check the type of disc you put into disc tray. This DVD player only plays DVDs, audio CDs and MP3s. Both the unit and the disc are coded by region. If the regional codes don't match, the disc can't be played. This DVD is Region Number 1.
Play starts, but then stops immediately	The disc is dirty. Clean it. Condensation has formed. Allow player to dry out.

TROUBLESHOOTING

PROBLEM	SOLUTION
No sound or distorted sound	 Make sure your DVD is connected properly. Make sure all cables are securely inserted into the appropriate jacks. If you are using the IR headphones, make sure you turn on the IR power. Make sure the Modulator is ON and the proper Frequency has been selected.
Can't advance through a movie	 You can't advance through the opening credits and warning information that appears at the beginning of movies because the disc is programmed to prohibit that action.
The icon (②) appears on screen	The feature or action cannot be completed at this time because: 1. The disc's software restricts it. 2. The disc's software doesn't support the feature (e.g., angles) 3. The feature is not available at the moment. 4. You've requested a title or chapter number that is out of range.
No Picture	 Check that the signal source is connected. Check that AV1/AV2 is selected correctly. Contact the service department.

SPECIFICATIONS

LCD Backlighting Edge Light Tube

Resolution 800 X 480

Pixels 800 X 480 X 3

Operation Temperature 0 - 50° C

Storage Temperature -20 - 70° C

Expected Backlight life 10,000 Hours

Video Display System NTSC / PAL

Low Level Audio Output 620 mVp-p

1 kHz @ -15dB

Video Output 1.0Vp-p @ 75ohms

Power Source 12V DC



12 MONTH LIMITED WARRANTY

Applies to AEC Mobile Video Products

AEC (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or to damage to tapes, discs, speakers, accessories, or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

CANADA: CALL 1-800-645-4994 FOR LOCATION OF WARRANTY STATION SERVING YOUR AREA

U.S.A.: AEC, 150 MARCUS BLVD., HAUPPAUGE, NEW YORK 11788 1-800-645-4994

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